

Figure 1

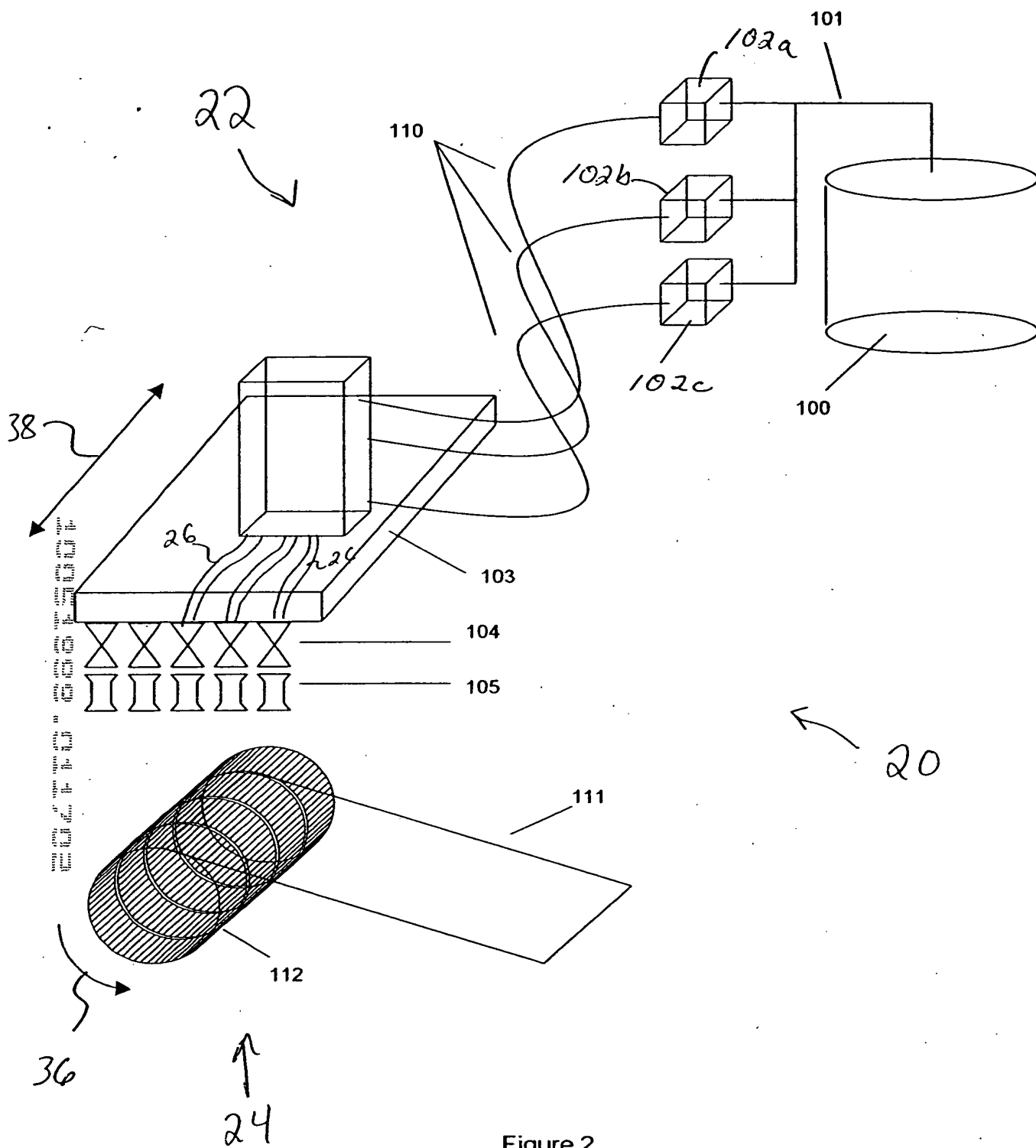


Figure 2

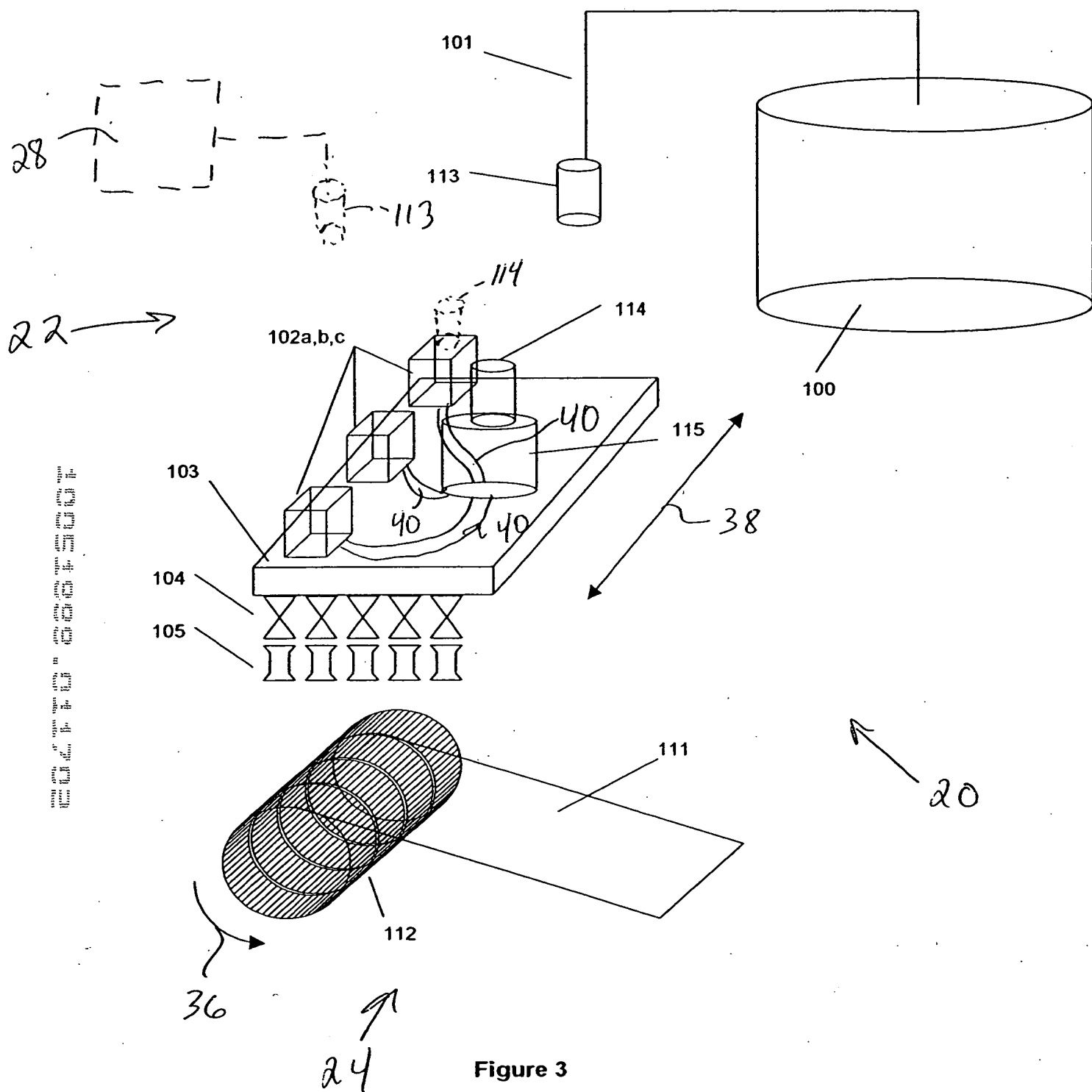


Figure 3

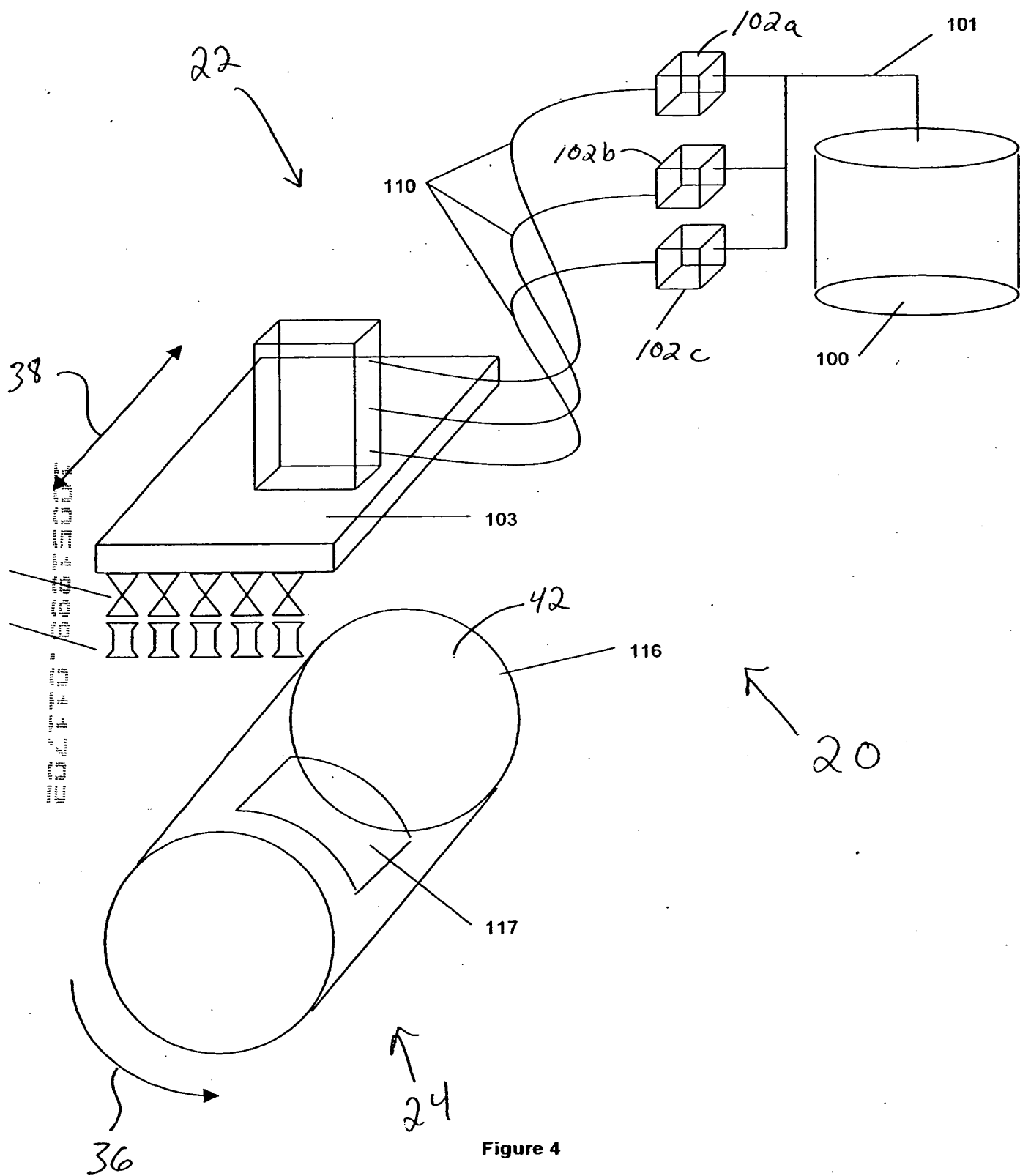


Figure 4

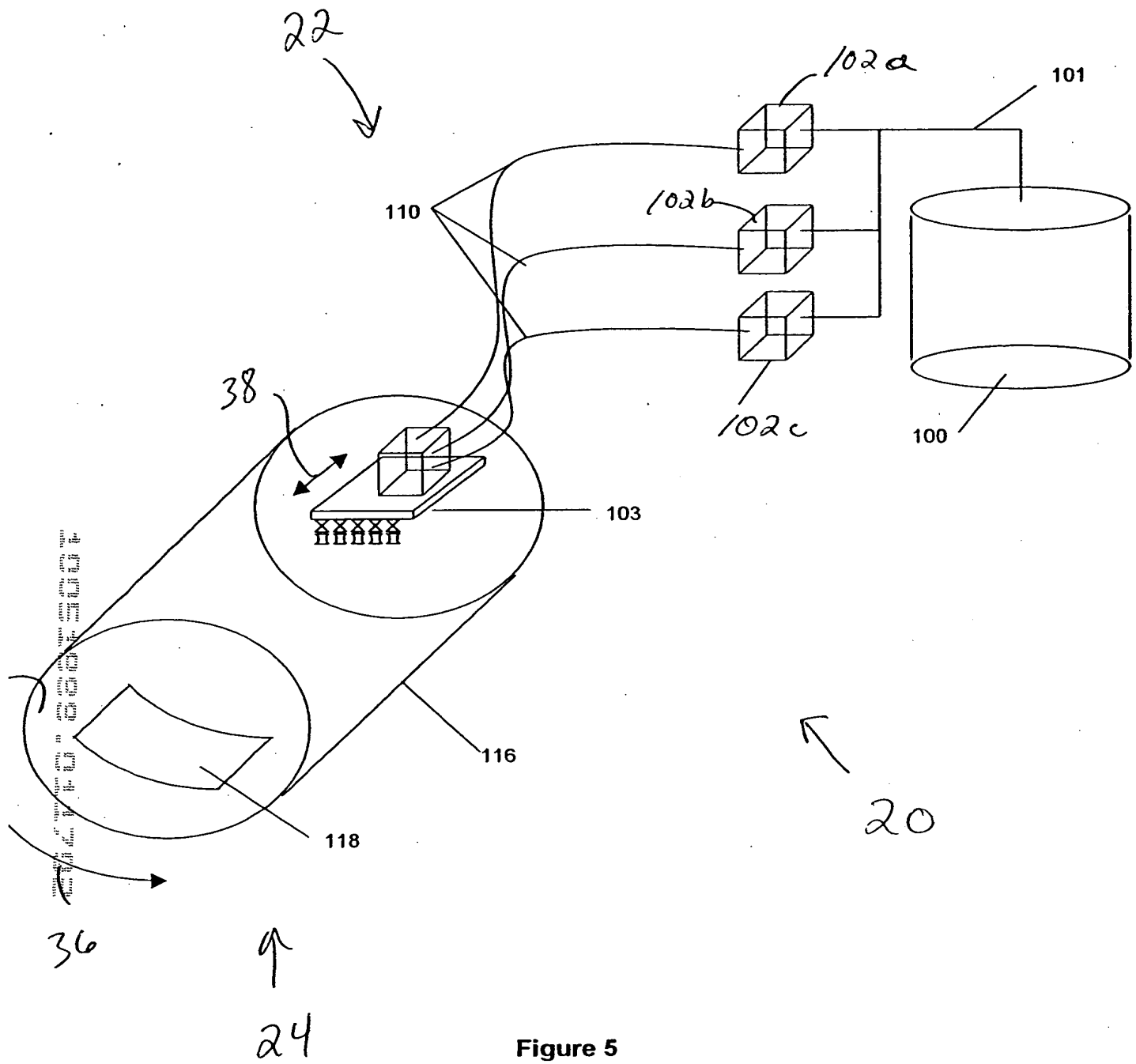


Figure 5

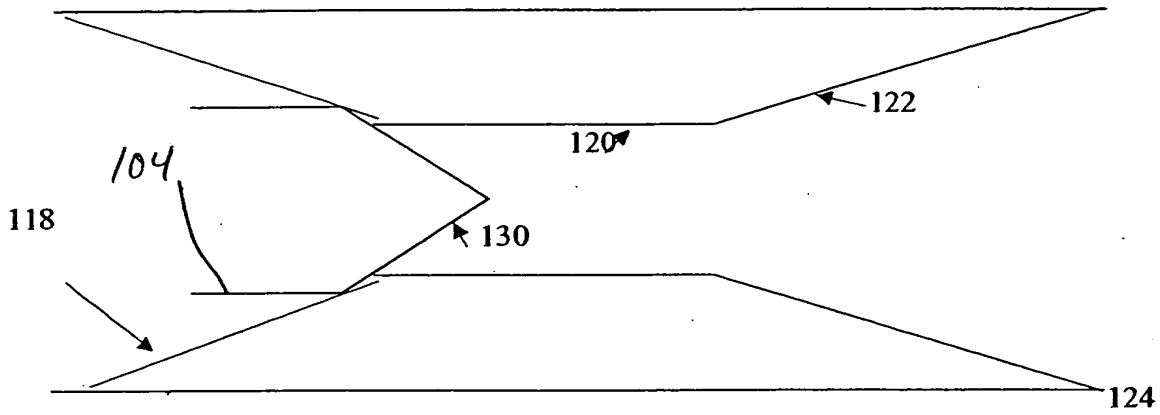


FIG. 6A

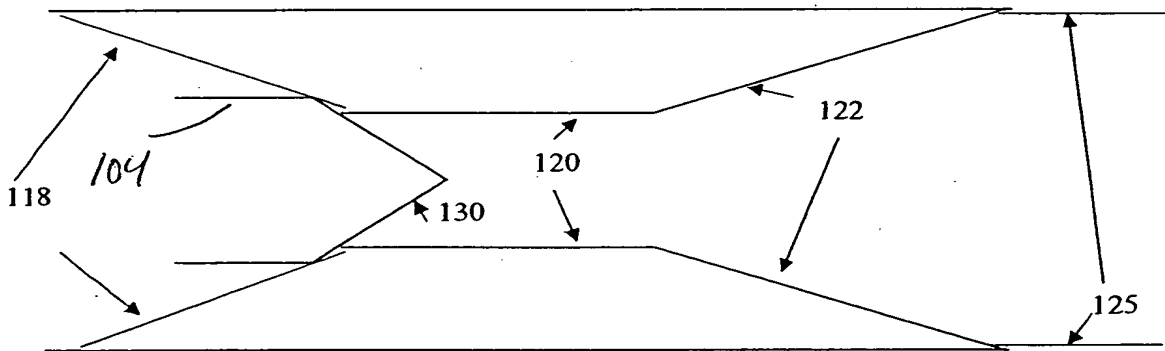


FIG. 6B

FIG. 6A and FIG. 6B are schematic diagrams of a mechanical assembly.

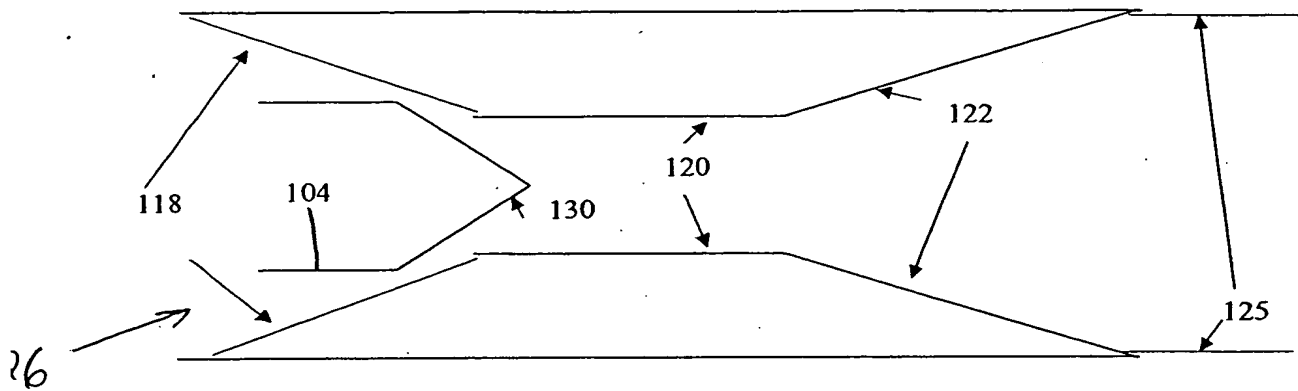


FIG. 7A

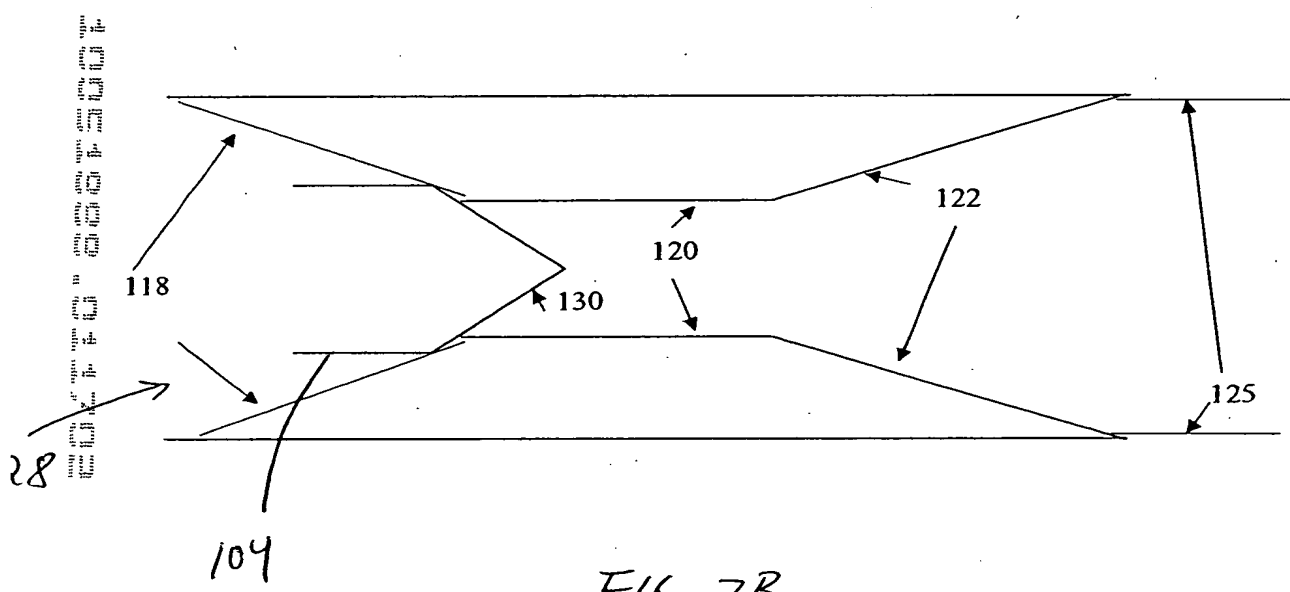


FIG. 7B

FIG. 8 is a perspective view of the system 22, showing the base 100, the support structure 103, the sensor array 104, the sensor elements 105, the control unit 110, and the power source 125.

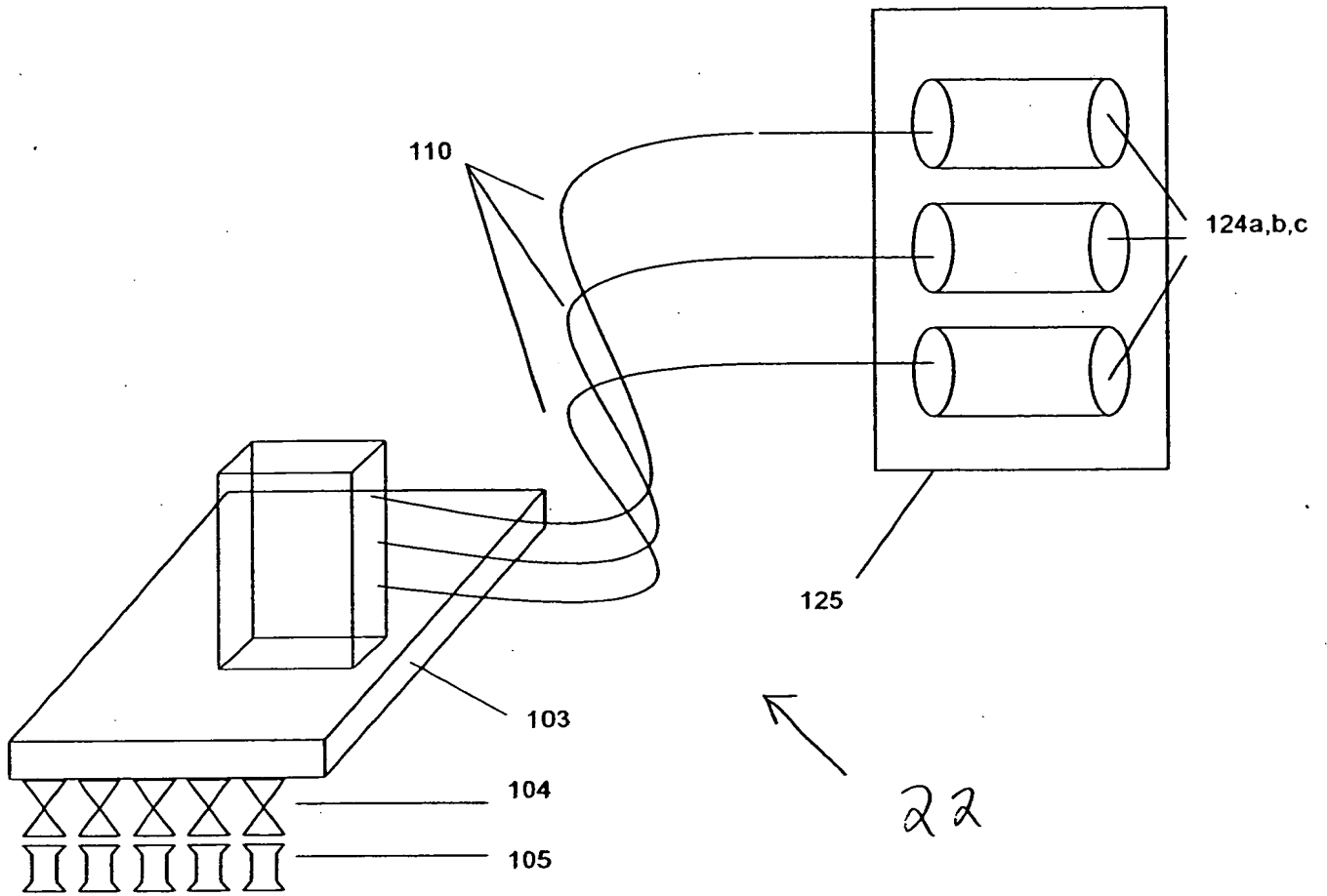


FIG. 8



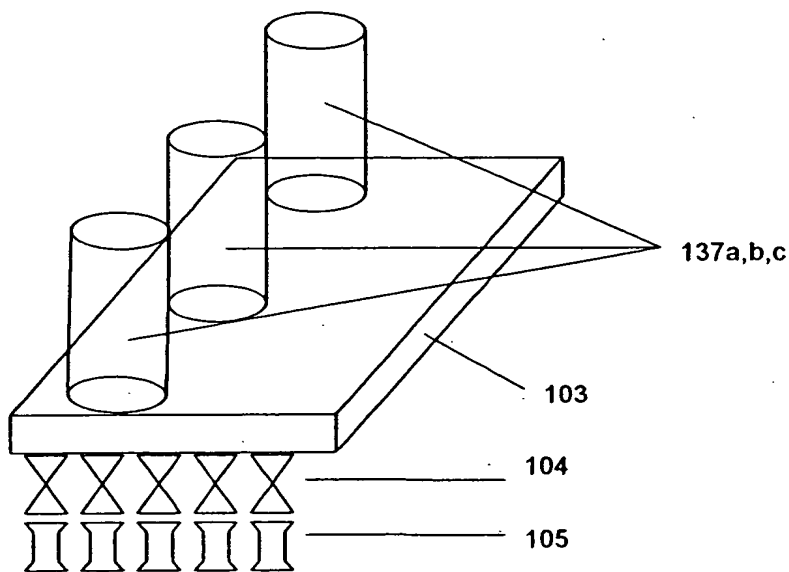


FIG. 9A

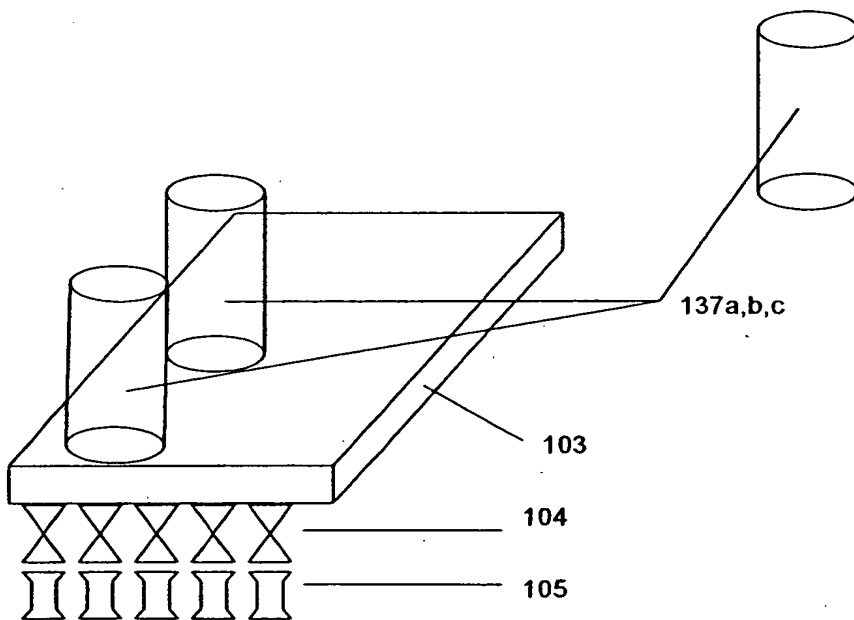


FIG. 9B

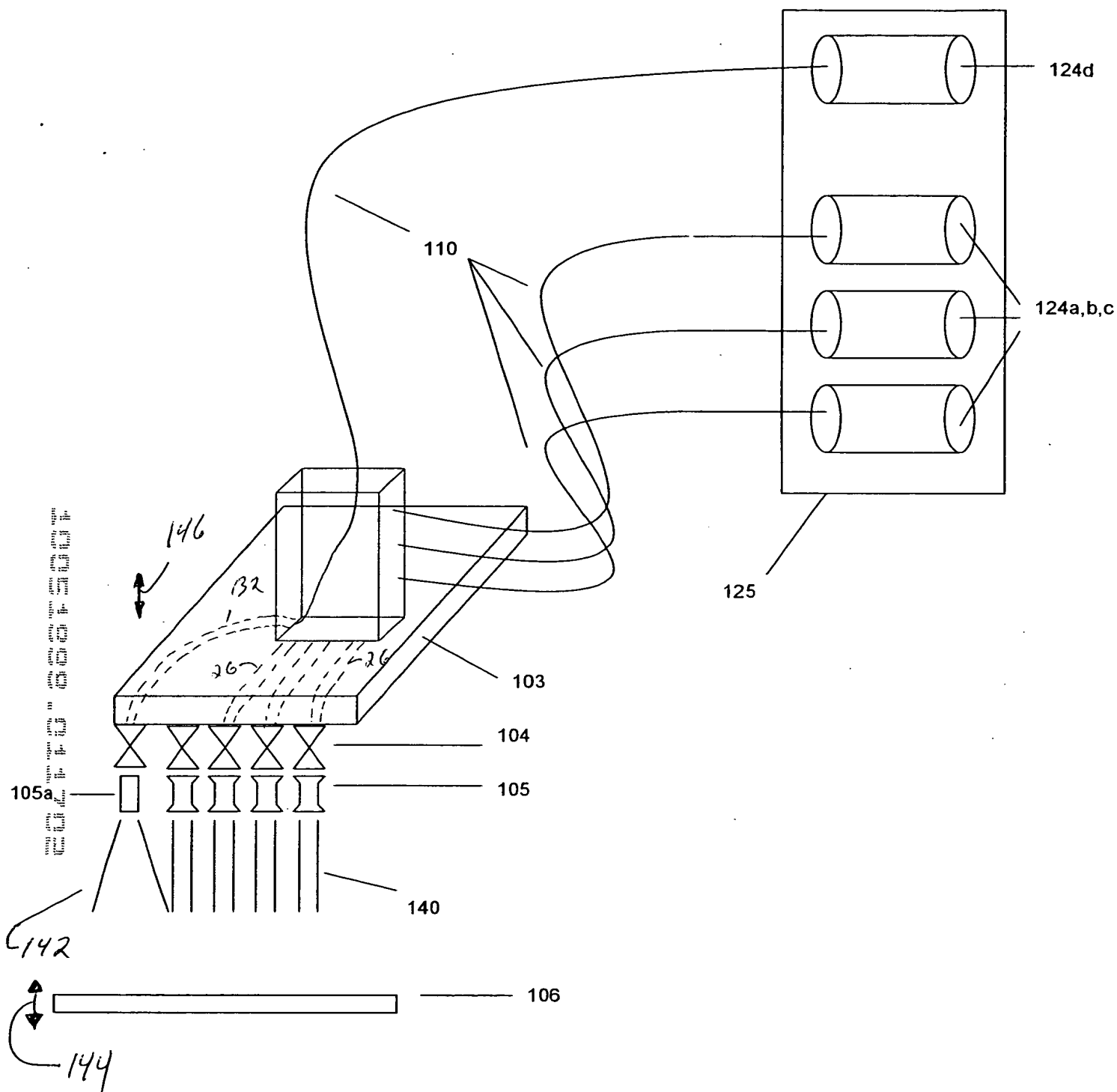


FIG. 10

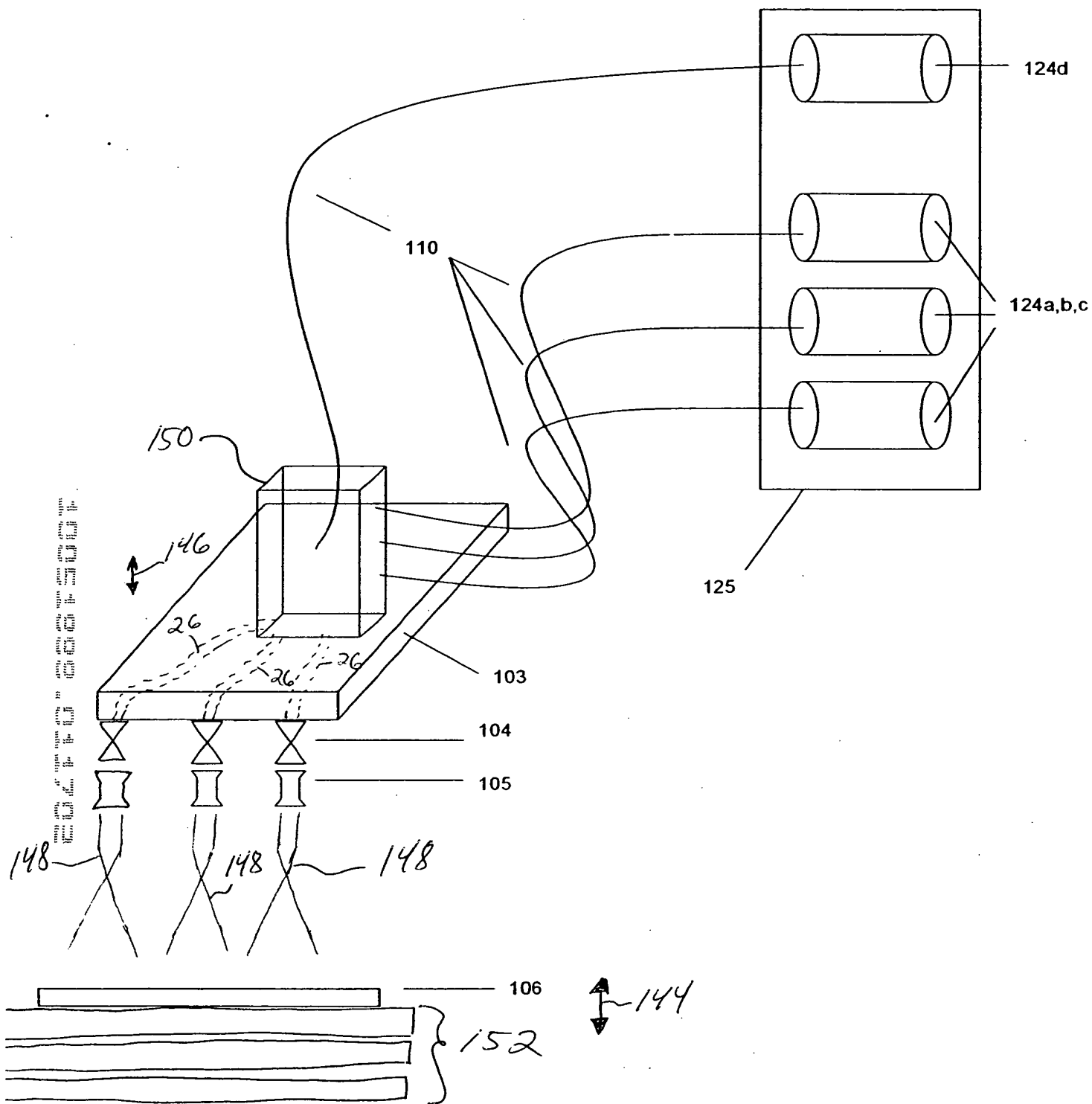


FIG. 11A

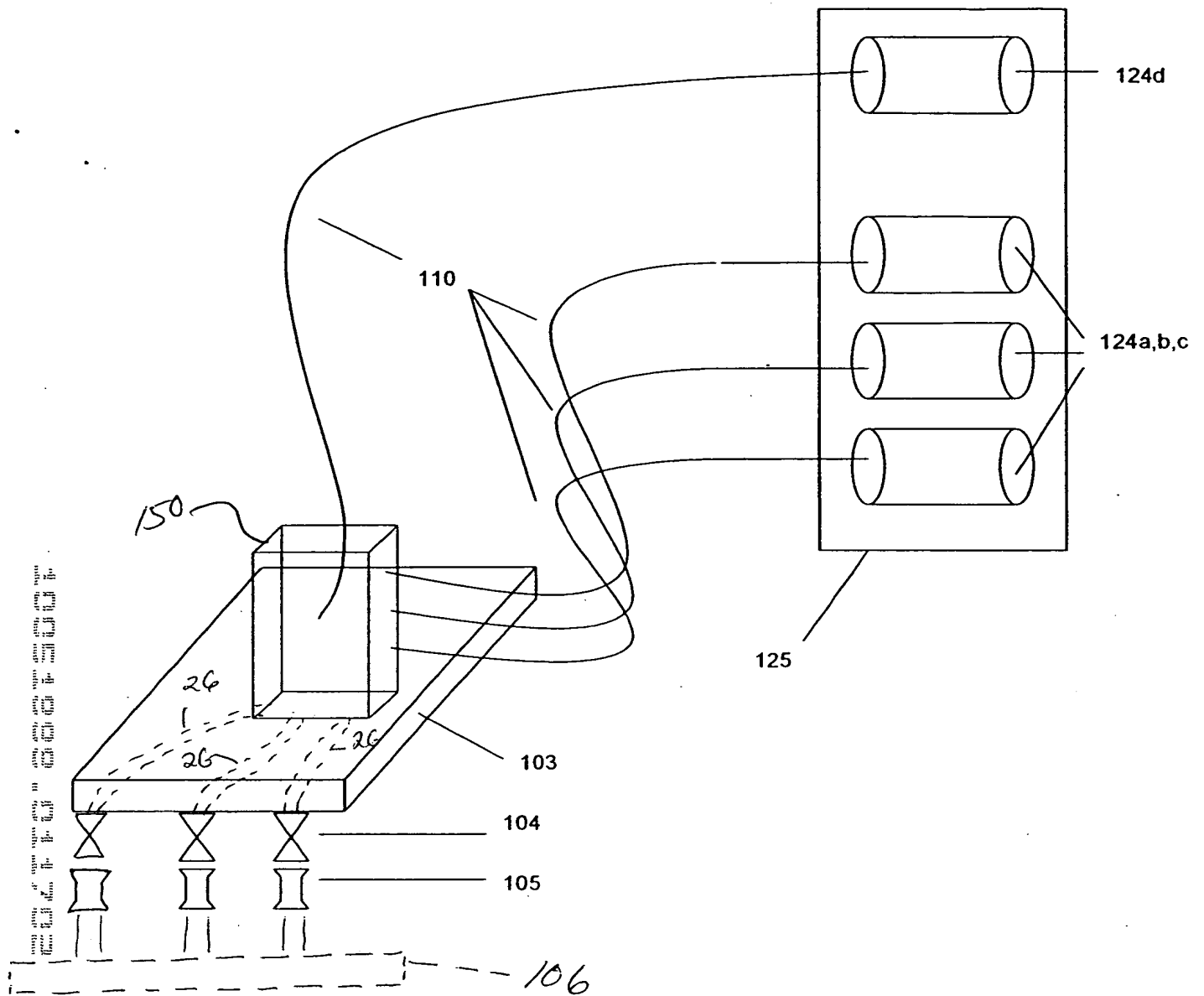


FIG. 11B

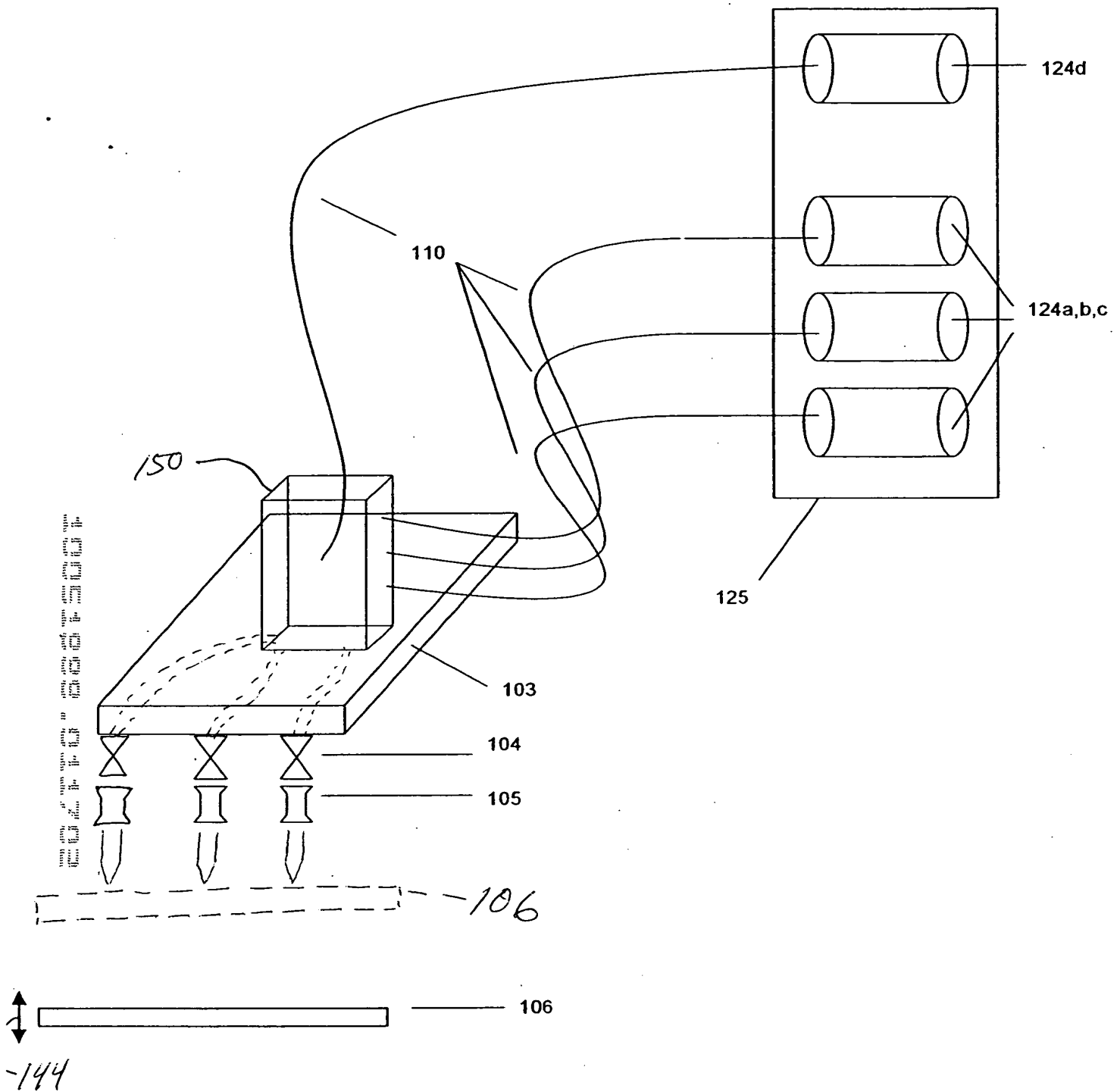


FIG. 11C

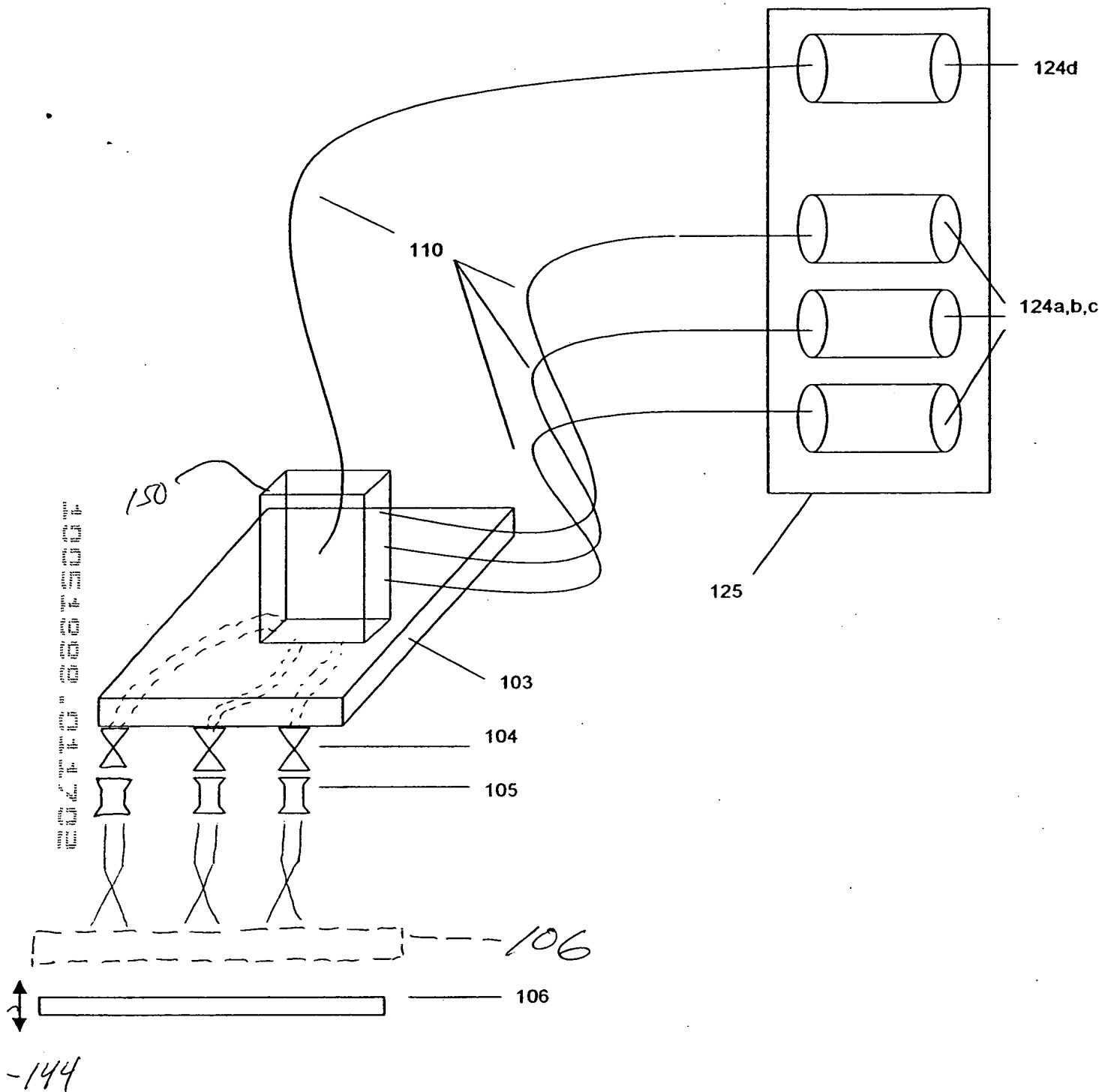


FIG. 11D